Index of Claims

| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|---|
| 10/722,513              | WEN ET AL.                              |
| Examiner                | Art Unit                                |

FRANKIE L. STINSON

**Art Unit** 

1746

| / | Rejected | • | - | (Through numeral)<br>Cancelled |  | N | Non-Elected  | A | Appeal   |
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| = | Allowed  |   | + | Restricted                     |  | ı | Interference | o | Objected |

| Cla                    | Claim Date |          |           |          |          |   | Claim Date |  |          |          |          |           |          |          | ſ                 | Cla      | aim      | Date     |          |          |          |          |     |          |            |          |          |          |                |          |          |  |          |                    |
|------------------------|------------|----------|-----------|----------|----------|---|------------|--|----------|----------|----------|-----------|----------|----------|-------------------|----------|----------|----------|----------|----------|----------|----------|-----|----------|------------|----------|----------|----------|----------------|----------|----------|--|----------|--------------------|
|                        |            | 3        |           | Γ        |          |   |            |  |          | ヿ        |          | Т         |          |          |                   |          |          |          | $\neg$   | $\neg$   | Т        | ٦        | Ì   |          |            |          |          |          |                |          |          |  |          | П                  |
| <del>-</del>           | Original   | ر        |           | l        |          |   |            |  |          | ı        | -        | ;         | Original |          |                   |          | ı        |          | 1        | - 1      |          |          | - 1 | - I      | Original   |          |          |          |                |          |          |  |          |                    |
| Final                  | įĝ         | 2,       |           | l        |          |   |            |  | li       | - 1      | i i      |           | Ē        |          |                   |          | - 1      |          | 1        |          |          | - 1      | - 1 | Final    | <u>:</u> Ē |          |          |          | i              |          |          | i  |          |                    |
| "                      | ŏ          | 20       |           | l        |          |   |            |  |          |          | "        | -         | ŏ        |          |                   |          | -        |          | ļ        |          |          | - 1      | - 1 | ш        | ŏ          |          |          |          |                |          | 1        |  | . 1      | i                  |
|                        |            |          | _         | <u> </u> | <u> </u> | _   | <u> </u>   | <u> </u>   |          |          | $\vdash$ | 4         |          | $\vdash$ |                   | _        | _        | _        | -        | -        | 4        | 4        | ŀ   |          |            |          | _        |          | _              |          |          |  | $\dashv$ |                    |
|                        | _1_        | 1        |           | <u> </u> |          | $ldsymbol{ld}}}}}}$ | L_         |  | Ш        | _        | $\vdash$ |           | 51       |          |                   | _        |          | _        | _        | _        | _        | _        | ļ   |          | 101        |          |          |          | Щ              |          |          |  | _        | Ш                  |
|                        | 2          |          |           |          |          |   |            |  |          |          |          |           | 52       |          |                   |          |          |          |          |          |          | ╝        | l   |          | 102        |          |          |          |                |          |          |  |          | Ш                  |
|                        | თ          | 1        |           |          |          |   |            |  |          |          |          |           | 53       |          |                   |          |          |          |          |          |          |          |     |          | 103        |          |          |          |                |          |          |  | $\neg$   | $\Box$             |
|                        | 4          | 1        |           | Г        |          |   |            |  |          |          | Г        | $\neg$    | 54       |          |                   | $\Box$   | $\Box$   | $\Box$   | $\neg$   | $\neg$   | $\neg$   | $\neg$   | [   |          | 104        |          |          |          |                |          |          |  |          | П                  |
|                        | 5          | 2        |           |          |          |   |            |  |          |          |          | T         | 55       |          |                   |          |          |          | T        | $\neg$   | $\neg$   | ヿ        | 1   |          | 105        |          |          |          |                |          |          |  | ヿ        |                    |
| $\vdash$               | 6          | ~        |           | Г        |          | П   | Г          | $\vdash$   | T        | ╗        |          | _         | 56       |          |                   | $\neg$   | ヿ        | ヿ        | ╅        | ╅        | 十        | ┪        | ı   |          | 106        |          |          |          |                |          |          |  | $\neg$   | $\Box$             |
|                        | 7          | -        | _         | H        |          | Н   | Н          | <del>                                     </del> | $\vdash$ | $\dashv$ |          | $\top$    | 57       |          |                   | $\dashv$ | 一        | _        | _        | -+       | $\dashv$ | ᅥ        | ŀ   | $\neg$   | 107        | Н        | Н        |          | Н              |          |          | М  | $\neg$   | $\vdash$           |
| $\vdash$               | 8          | $\vdash$ |           | $\vdash$ |          | -   | -          | -  |          | ᅱ        | $\vdash$ |           | 58       |          |                   | -        |          | $\dashv$ | +        | -+       | $\dashv$ | ᅱ        | ŀ   | $\vdash$ | 108        |          |          |          | Н              | _        |          | $\dashv$   | $\dashv$ | $\vdash$           |
| $\vdash$               | 9          | Н        | H         | ⊢        | $\vdash$ | $\vdash$  | -          |  | $\vdash$ |          | $\vdash$ | +         | 59       | -        | -                 | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$ | +        | $\dashv$ | ŀ   |          | 109        |          | $\vdash$ | -        | $\vdash$       |          |          | $\dashv$   | $\dashv$ | $\vdash$           |
| _                      | 10         | $\vdash$ | H         | ┝        | $\vdash$ |   |            | _  |          |          | $\vdash$ | +         | 29       |          | -                 | $\dashv$ |          | -        | -        | -+       | +        | $\dashv$ | -   |          |            |          | Н        | _        | Н              | _        | -        | $\dashv$   | $\dashv$ | $\vdash$           |
|                        |            | H        |           | ┝        | -        | -   | $\vdash$   | _  | $\vdash$ |          | <b>—</b> |           | 60       | $\vdash$ | -                 | -        | -        | -        | -        | -+       | -        | ⊣        | 1   |          | 110        |          | -        | Н        | Н              | -        | -        | $\dashv$   | $\dashv$ | $\vdash$           |
|                        | 11         | $\vdash$ | $\vdash$  | <u> </u> | <u> </u> | _   | $\vdash$   | $\vdash$   | $\sqcup$ | 4        | <u> </u> | 4         | 61       | Ш        | _                 | _        | _        | _        | $\dashv$ | 4        | +        | _        | - } |          | 111        | $\vdash$ | Ш        | Щ        | Ш              | Щ        | Щ        | $\square$  | _        |                    |
| <u> </u>               | 12         | $\vdash$ |           | <u> </u> | _        | <u> </u>  | $\vdash$   | $\sqcup$   | Щ        | _        | L        |           | 62       |          | _                 | _        | _        |          | _        | 4        | _        | ᆜ        | ļ   |          | 112        | Щ        | Щ        | Щ        | Щ              | $\Box$   |          |  |          | Щ                  |
| <b></b>                | 13         | L        | $\sqcup$  | <u>_</u> | <u> </u> | <u> </u>  | <u> </u>   | Ш  | Ш        | _        | <u> </u> |           | 63       |          |                   |          | _        |          | _        | _        | $\perp$  |          | Į   |          | 113        | Ш        | Ш        | Ш        |                |          |          |  |          | Ш                  |
|                        | 14         | Щ        | Ш         |          | Ш        |   | L_         |  |          | $\Box$   | L_       | $\perp$   | 64       |          |                   | $\sqcup$ | $\Box$   |          | $\perp$  |          | $\perp$  |          | Į   |          | 114        |          | Ш        |          |                |          |          |  |          | $oxedsymbol{oxed}$ |
|                        | 15         | $\Box$   |           |          |          | _   |            |  | $\Box$   |          | L        |           | 65       |          |                   |          |          |          |          | $\Box$   |          | _]       | [   |          | 115        |          |          |          |                |          |          |  |          |                    |
|                        | 16         |          |           |          |          |   |            |  |          | _7       |          | T         | 66       |          |                   |          |          |          | T        | $\Box$   | T        | $\neg$   | Ī   |          | 116        |          |          |          |                |          |          |  | $\Box$   |                    |
|                        | 17         |          |           |          |          |   |            |  | $\Box$   |          | Г        | $\neg$    | 67       |          |                   | $\neg$   | $\neg$   |          |          | $\neg$   |          | $\neg$   | 1   |          | 117        |          |          |          |                |          |          | $\Box$   | $\dashv$ |                    |
|                        | 18         |          |           |          |          |   |            |  | П        |          |          |           | 68       |          |                   | ヿ        | $\neg$   |          | $\neg$   |          | 寸        | ヿ        | ı   |          | 118        |          |          |          |                |          |          |  | コ        | П                  |
|                        | 19         |          |           |          |          |   |            | П  |          |          |          |           | 69       | $\Box$   | $\neg$            |          | _        | $\neg$   | $\dashv$ | 寸        | $\dashv$ | ╛        | Ì   |          | 119        |          |          |          |                |          |          | $\neg$   | $\dashv$ | $\Box$             |
|                        | 20         |          |           |          | $\vdash$ |   |            |  |          | _        |          |           | 70       | $\neg$   | $\neg$            | _        | -        | $\neg$   | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ        | Ì   |          | 120        |          |          | _        | Н              | _        | $\vdash$ | $\dashv$   | $\dashv$ |                    |
|                        | 21         |          | $\vdash$  |          |          | Н   | _          | Н  |          | ᅥ        |          |           | 71       | -        | ᅥ                 | 一        | ┪        | ┪        | _        | _        | -        | ᅥ        | ŀ   |          | 121        |          | -        | Н        | $\vdash$       |          | $\vdash$ | -  | $\neg$   | _                  |
|                        | 22         |          |           |          | -        |   | $\vdash$   | Н  |          | -        | -        | $\dashv$  | 72       | $\dashv$ | $\dashv$          | $\dashv$ | $\dashv$ | ┪        | -        | -        | +        | ┥        | ŀ   |          | 122        |          | Н        |          | Н              | -        | $\vdash$ | $\dashv$   | $\dashv$ | $\dashv$           |
|                        | 23         |          | Н         |          | -        | Н   |            | Н  | $\dashv$ | ┥        | -        |           | 73       | $\dashv$ |                   |          |          | $\dashv$ | ╅        | $\dashv$ | ╅        | $\dashv$ | ŀ   |          | 123        | -        | -        |          | $\vdash$       | -        | $\dashv$ | $\vdash$   | $\dashv$ |                    |
|                        | 24         | _        | Н         | _        |          | -   | -          | $\vdash$   | $\dashv$ | $\dashv$ | -        |           | 74       | $\dashv$ | $\dashv$          |          | ┥        | $\dashv$ | $\dashv$ | +        | $\dashv$ | ⊣        | ŀ   |          | 124        |          | $\vdash$ | _        | -              |          | $\dashv$ | $\dashv$   | $\dashv$ | -                  |
|                        | 25         | _        | $\vdash$  | -        | ⊢        | Н   | Н          | $\vdash$   |          | $\dashv$ | -        | +         | 75       | $\dashv$ | $\dashv$          | $\dashv$ | $\dashv$ |          | -+       | +        | $\dashv$ |          | H   |          | 125        | _        | Н        | Н        | Н              | -        | $\dashv$ |  | $\dashv$ | -                  |
| -                      | 26         | Н        |           | _        | $\vdash$ | $\vdash$  | $\vdash$   | H  | $\dashv$ | $\dashv$ | -        | +         | 76       | $\dashv$ |                   |          | -        | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$ | ŀ   |          | 120        | $\vdash$ | Н        | -        | -              |          | Н        |  | -        | $\dashv$           |
| -                      | 27         |          | -         | _        | $\vdash$ | Н   |            | -  |          | $\dashv$ | -        |           |          | -        |                   | $\dashv$ | -        | -        | -        | +        | +        | $\dashv$ | -   |          | 126        | $\vdash$ |          |          | -              |          | -        | $\dashv$   | $\dashv$ | $\dashv$           |
|                        |            | $\vdash$ | -         |          | $\vdash$ | Н   | $\vdash$   | -  | -        | 4        |          |           | 77       | $\vdash$ |                   | -        |          | -        | +        | $\dashv$ | $\dashv$ | -        | - } |          | 127        |          |          | -        |                | -        | Н        | $\dashv$   | -        | ႕                  |
|                        | 28         |          | -         | _        | $\vdash$ | Н   | $\vdash$   |  |          | _        | -        | 4         | 78       | Ш        |                   |          |          | 4        | $\dashv$ | _        | $\dashv$ | 4        | -   |          | 128        |          |          |          | $\blacksquare$ |          | Ц        | _  | _        |                    |
|                        | 29         | Щ        | Щ         |          |          | _   | _          | Ш  |          | _        |          |           | 79       |          | _                 | _        | _        | _        | 4        | 4        | 4        | _        | ļ   |          | 129        |          |          |          | $\Box$         | $\Box$   | Щ        | $\Box$   |          | Ш                  |
|                        | 30         |          | Щ         |          |          |   |            |  |          | _        |          |           | 80       |          | _                 | _        |          | _        |          |          |          |          | Ļ   |          | 130        |          |          |          |                |          |          |  |          | $\Box$             |
|                        | 31         |          |           |          |          |   |            |  |          | ᅬ        |          |           | 81       |          |                   |          |          |          |          |          |          |          | Ĺ   |          | 131        |          |          |          |                |          |          |  |          |                    |
|                        | 32         | Ш        |           | _        |          | Ш   |            | $\sqcup$   | $\sqcup$ | ᆜ        |          | $\perp$   | 82_      |          |                   |          |          | _[       | $\perp$  | $\bot$   | $\perp$  |          |     | I        | 132        |          |          |          | ot             | _]       | ot       | $oldsymbol{ol{ol{ol}}}}}}}}}}}}}}}}$ |          |                    |
| igsquare               | 33         | Ш        | L         |          |          | لييا  |            | Ш  |          |          |          |           | 83       | I        |                   | [        |          |          |          |          |          |          |     | I        | 133        |          |          |          |                |          |          |  | $\Box$   |                    |
|                        | 34         |          | $\square$ |          |          |   |            |  |          | $\Box$   |          |           | 84       |          |                   |          |          |          |          | $\Box$   | $\Box$   |          |     |          | 134        |          |          |          |                |          |          |  | _7       |                    |
|                        | 35         |          |           |          |          |   |            |  |          |          |          |           | 85       |          |                   |          |          |          |          |          |          |          | ſ   |          | 135        |          |          |          |                |          |          |  | $\neg$   |                    |
|                        | 36         |          |           |          | П        |   |            | П  |          | ٦        |          |           | 86       | $\Box$   | $\neg$            | $\neg$   |          | $\neg$   |          | T        | T        |          | ı   |          | 136        |          |          |          |                |          |          |  | $\neg$   | $\neg$             |
|                        | 37         |          |           |          |          |   |            | П  |          | $\neg$   |          |           | 87       |          | $\neg$            | ヿ        | 寸        | $\neg$   | $\neg$   | ╅        | $\neg$   |          | ı   |          | 137        |          |          | $\Box$   |                | $\neg$   |          | $\exists$  | $\dashv$ | $\dashv$           |
|                        | 38         |          | П         |          | П        |   |            | П  |          | $\neg$   |          |           | 88       |          | ᅥ                 | ヿ        | ヿ        | _        | _        | ┪        | $\dashv$ | _        | ı   | $\neg$   | 138        | $\dashv$ | $\dashv$ | $\Box$   | $\dashv$       | $\neg$   | $\neg$   | 寸  | 一        | $\dashv$           |
|                        | 39         |          |           |          | П        |   |            | П  |          | $\neg$   |          |           | 89       | -        | ᅥ                 | 寸        | 十        | -        | 十        | _        | 十        | $\dashv$ | ı   |          | 139        | $\Box$   |          |          |                | $\neg$   | $\dashv$ | 一  | $\dashv$ | $\dashv$           |
|                        | 40         |          | Н         | $\vdash$ | Н        |   |            | П  | $\neg$   | ᅱ        |          |           | 90       |          | $\dashv$          | _        |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | ŀ   | -        | 140        | $\vdash$ | $\vdash$ | $\dashv$ |                | -        | $\dashv$ | -  | $\dashv$ | $\dashv$           |
| Н                      | 41         | $\dashv$ | $\vdash$  | _        | Н        | $\vdash$  | $\dashv$   | Н  | -        | $\dashv$ | $\vdash$ | _         | 91       | -        | $\dashv$          | -        |          | $\dashv$ | +        | $\dashv$ | $\dashv$ | $\dashv$ | ŀ   | -        |            | $\vdash$ |          | $\dashv$ | -              |          | $\dashv$ |  | $\dashv$ | ㅓ                  |
| $\vdash$               | 42         | $\dashv$ | Н         | H        | $\vdash$ | $\dashv$  | $\vdash$   | $\vdash$   | $\dashv$ | ᅱ        | -        |           | 92       |          |                   | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | +        | $\dashv$ | - } | -        | 141        | $\vdash$ | -1       | $\dashv$ | $\vdash$       | $\dashv$ | $\vdash$ | -  | $\dashv$ | $\dashv$           |
| $\vdash \vdash$        | 43         | $\vdash$ | $\vdash$  |          | Н        | $\vdash$  |            | Н  | $\dashv$ | $\dashv$ | -        |           | 93       | $\dashv$ |                   | $\dashv$ | -        | $\dashv$ | +        | $\dashv$ | +        | $\dashv$ | - } |          | 143        |          |          | -        |                | -        |          | -  | $\dashv$ | $\dashv$           |
| $\vdash \vdash \vdash$ | 43         | $\dashv$ | Н         |          | Н        | $\dashv$  |            | $\vdash$   | $\dashv$ | $\dashv$ | $\vdash$ |           | 93       | $\dashv$ | {                 | $\dashv$ |          | -+       | +        | -        | +        | $\dashv$ | -   |          | 143        |          |          | -        | -              |          | -        |  | $\dashv$ | $\dashv$           |
| $\vdash\vdash$         | 44         | Н        | $\dashv$  | =        | Н        | Н   | $\dashv$   | Н  | $\dashv$ | $\dashv$ | <u> </u> | +         | 94<br>0F | $\dashv$ |                   | $\dashv$ |          |          | +        | -        | -        | $\dashv$ | - } |          | 144        | $\vdash$ |          |          |                | -        | -        | -  | $\dashv$ | $\dashv$           |
| $\vdash \vdash$        |            | -        | -         |          | $\vdash$ | $\vdash$  | -          | $\vdash$   | -        | $\dashv$ | -        |           | 95       | $\dashv$ |                   | $\dashv$ |          | 4        | $\dashv$ | _        | +        | $\dashv$ | - } |          | 145        |          |          |          |                |          | $\Box$   | _  |          | $\dashv$           |
|                        | 46         | $\Box$   | $\Box$    |          | Н        | $\sqcup$  |            | Ш  | -        | 4        | -        |           | 96       | $\dashv$ | _                 | _        | _        | _        | $\dashv$ | 4        | +        | $\dashv$ | -   |          | 146        |          |          | _        | $\Box$         | _        |          | _  | _        | 凵                  |
| $\Box$                 | 47         | $\Box$   | $\Box$    |          | Щ        | Ш   |            | Ш  | _        | _        | $\vdash$ |           | 97       | _        |                   |          | _        | _        | _        | $\perp$  | $\dashv$ | 4        | L   |          | 147        |          |          |          |                | _        |          |  | ᆚ        | $\Box$             |
|                        | 48         |          | Щ         |          | Ш        |   |            | Щ  | ļ        | _        | <u> </u> |           | 98       |          | $\bot$            | _        | _        | $\perp$  |          |          | _        | _        | L   |          | 148        |          |          |          |                |          |          |  | $\perp$  |                    |
|                        | 49         |          |           |          | Ш        |   |            | Ш  |          |          |          | <b>⊥</b>  | 99       |          | $oldsymbol{\bot}$ |          | $\Box$   |          |          |          |          | $\Box$   | Ĺ   |          | 149        |          |          |          |                | [        | I        |  | [        |                    |
|                        | 50         |          |           |          | Ш        |   | Ш          |  |          |          |          | <u>ال</u> | 100      |          |                   |          |          |          |          |          | $\perp$  | ╝        | Ĺ   |          | 150        |          |          |          |                | I        |          |  |          |                    |